Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/17/2021 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123419	-2	3.24	123453	3.24
Blue	F	SSC	125000	121793	-3	4.23	122625	4.28
Blue	E	FITC	14203	13747	-4	3.36	297	15.93
Blue	D	PE	25703	24958	-3	3.14	541	11.05
Blue	B	PerCP-Cy5-5	42104	40588	-4	3.76	903	15.53
Blue	A	PE-Cy7	34646	33960	-2	5.03	481	30.42
Red	C	APC	49824	48991	-2	3.24	1499	11.78
Red	A	APC-Cy7	39773	38898	-3	3.27	724	12.07
Violet	B	V450	7447	7089	-5	4.13	402	13.20
Violet	A	V500	31193	29995	-4	3.93	683	10.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21529	3.46	556	0	N/A	N/A	Pass
Blue	F	SSC	53788	3.77	518	6	N/A	N/A	Pass
Blue	E	FITC	54	57.02	488	2	0.0390	191	Pass
Blue	D	PE	107	40.43	489	4	0.3844	329	Pass
Blue	B	PerCP-Cy5-5	172	37.07	580	3	0.0170	17	Pass
Blue	A	PE-Cy7	110	63.81	625	5	0.0201	0	Pass
Red	C	APC	349	24.54	570	3	0.0262	86	Pass
Red	A	APC-Cy7	200	24.42	547	3	0.0058	266	Pass
Violet	B	V450	89	42.60	450	1	0.0417	1505	Pass
Violet	A	V500	119	32.95	468	1	0.0242	1238	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.45	-32.05	1.02
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.39
Red	20.67	15.99 - 23.99	N/A	N/A	30.39	30.73	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 11875

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments